

Title (en)

CRDM WITH SEPARATE SCRAM LATCH ENGAGEMENT AND LOCKING

Title (de)

CRDM MIT GETRENNTER SCRAMVERRIEGELUNGSEINRASTUNG UND -VERRIEGELUNG

Title (fr)

MÉCANISME DE COMMANDE DE GRAPPES À DISPOSITIFS SÉPARÉS DE MISE EN PRISE ET DE VERROUILLAGE DE LOQUET D'ARRÊT D'URGENCE

Publication

EP 2973591 A4 20170118 (EN)

Application

EP 14768389 A 20140225

Priority

- US 201361792235 P 20130315
- US 201414174630 A 20140206
- US 2014018306 W 20140225

Abstract (en)

[origin: US2014270036A1] A control rod drive mechanism (CRDM) configured to latch onto the lifting rod of a control rod assembly and including separate latch engagement and latch holding mechanisms. A CRDM configured to latch onto the lifting rod of a control rod assembly and including a four-bar linkage closing the latch, wherein the four-bar linkage biases the latch closed under force of gravity.

IPC 8 full level

G21C 7/117 (2006.01); **G21C 7/14** (2006.01); **G21C 9/02** (2006.01)

CPC (source: EP US)

G21C 7/117 (2013.01 - EP US); **G21C 7/14** (2013.01 - EP US); **G21C 9/02** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP US)

Citation (search report)

- [X] US 2011222640 A1 20110915 - DESANTIS PAUL K [US]
- [X] US 2010316177 A1 20101216 - STAMBAUGH KEVIN J [US], et al
- [X] US 4411857 A 19831025 - SRIDHAR BETTADAPUR N [US]
- [A] US 4713210 A 19871215 - GERMER JOHN H [US]
- See references of WO 2014149426A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2014270036 A1 20140918; US 9865364 B2 20180109; CA 2907030 A1 20140925; CA 2907030 C 20210504; CN 105164759 A 20151216; CN 105164759 B 20180417; EP 2973591 A1 20160120; EP 2973591 A4 20170118; EP 2973591 B1 20180418; JP 2016510890 A 20160411; KR 20150131349 A 20151124; US 10410755 B2 20190910; US 2014334586 A1 20141113; WO 2014149426 A1 20140925

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